

## Surface hardness tester for casting/wet mold sand

### FEATURES

- \* The Sand Mould Surface Hardness Tester is used to measure the surface hardness of the sand mould/core of the wet mold and provide technical parameters for the formulation of the molding process.
- \* The surface hardness of sand mold is divided into three types: A, B and C, The common model is type B, among them:  
Type A: Suitable for the surface hardness test of fine sand mold/core in manual or mechanical low and medium pressure molding.
- Type B: Suitable for the surface hardness test of fine and coarse sand mold/core in manual or mechanical low and medium pressure molding.
- Type C: Suitable for the surface hardness test of sand mold in high pressure molding.
- \* The unit of type B hardness tester for sand mold surface is ( $\text{g/mm}^2$ ), but it is customary to use hardness H(A/B/C) instead of unit. Because their values are related and consistent, the corresponding hardness value is also large when the unit value is large ( $\text{g/mm}^2$ ).
- \* Low voltage indicator.
- \* Digital display gives exact reading with no guessing or errors.
- \* Can communicate with PC for recording, printing and analysing by the optional software and cable for RS232C interface.
- \* Automatic power off to conserve power.

### technical specifications

model	AS-120S-A	AS-120S-B	AS-120S-C
compression travel	2.50mm	2.50mm	2.50mm
load	237g	980g	1500g
To load	90g	50g	180g
Shape and size of indenter	BALL:R2.50	BALL:R12.70	BALL:R1.20
measurement unit	HA	HB	HC
display parameter	Hardness value/average value/maximum value		
display	4-bit 10mm liquid crystal		
indication range	0~100 HA(HB/HC)		
measuring range	10~90 HA(HB/HC)		
Accuracy	$\leq \pm 1$ HA(HB/HC)		
resolution ratio	0.1 HA(HB/HC)		
Low Voltage Warning	√		
Automatic shutdown function	√		
work environment	temperature: 0~40°C humidity: <80%RH		
power supply	2x1.5v AA		
size	170x65x27mm		
Weight (excluding batteries)	170g		



AS-120S-A

### model selection

low	medium	high
Type A (for fine sand)		
	Type B (for fine/coarse sand)	
		Type C

### Accessories

Accessories	host
	Portable Case (B04) operating manual
Optional accessories	USB online cable and software Bluetooth adapter and software



AS-120S-B



AS-120S-C